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**Part Number:** [0781641051](#)  
**Status:** **Active**  
**Overview:** Serial Attached SCSI (SAS) Connectors  
**Description:** 1.27mm Pitch SAS-2 Combo Device Plug, Vertical, Surface Mount, Standard Height 7.88mm, with Solder Tab and Pick-and-Place Cap, 29 Circuits, Lead-Free

**Documents:**

[3D Model](#) [Product Specification PS-78012-002-001 \(PDF\)](#)  
[3D Model \(PDF\)](#) [Packaging Specification PK-78164-001-001 \(PDF\)](#)  
[Drawing \(PDF\)](#) [RoHS Certificate of Compliance \(PDF\)](#)

**Agency Certification**

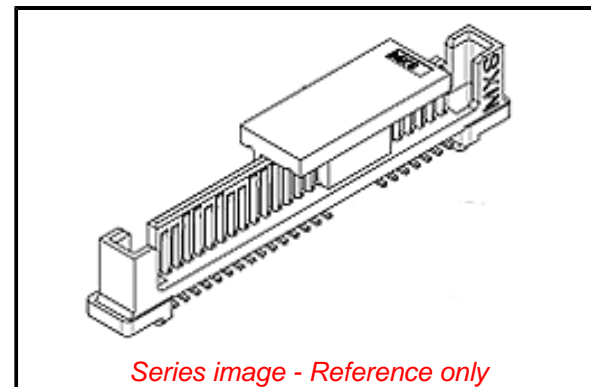
CSA LR19980  
 UL E29179

**General**

Product Family I/O Connectors  
 Series [78164](#)  
 Application Board-to-Board  
 Comments With Cap  
 Component Type Plug  
 Electrical Model Yes  
 Overview [Serial Attached SCSI \(SAS\) Connectors](#)  
 Product Name SAS 6G, SAS-2  
 Type N/A  
 UPC 800756651835

**Physical**

Boot Color N/A  
 Circuits (Loaded) 29  
 Circuits (maximum) 29  
 Circuits Detail Signal 14, Power 15  
 Color - Resin Black  
 Durability (mating cycles max) 500  
 Flammability 94V-0  
 Gender Male  
 Lock to Mating Part None  
 Material - Metal Brass  
 Material - Plating Mating Gold  
 Material - Plating Termination Tin  
 Material - Resin High Temperature Thermoplastic  
 Net Weight 1.569/g  
 Number of Rows 2  
 Orientation Vertical  
 PCB Locator Yes  
 PCB Retention Yes  
 Packaging Type Embossed Tape on Reel  
 Panel Mount Yes  
 Pitch - Mating Interface 0.80mm, 1.27mm  
 Pitch - Termination Interface 0.80mm, 1.27mm  
 Plating min - Mating 0.762µm  
 Plating min - Termination 1.905µm  
 Polarized to Mating Part Yes  
 Polarized to PCB Yes  
 Surface Mount Compatible (SMC) Yes  
 Temperature Range - Operating -40° to +85°C  
 Termination Interface: Style Surface Mount



Series image - Reference only

**EU ELV**

**Not Relevant**

**EU RoHS**

**Compliant**  
**REACH SVHC**

Not Contained Per -  
 D(2021)4569-DC (8  
 July 2021)

**Halogen-Free**

**Status**

**Not Low-Halogen**

For more information, please visit [Contact US](#)

China ROHS

ELV

RoHS Phthalates

**China RoHS**

Green Image

Not Relevant

Not Contained

**Search Parts in this Series**

[78164 Series](#)

**Mates With**

[78011](#) SAS/SATA Receptacle; and [87824](#),  
[87839](#), [87863](#), [87970](#), [87945](#), [87975](#) SAS  
 Receptacles

Waterproof / Dustproof	No
Wire Size AWG	N/A

**Electrical**

Current - Maximum per Contact	1.5A
Shielded	No
Voltage - Maximum	30V

**Solder Process Data**

Duration at Max. Process Temperature (seconds)	010
Lead-free Process Capability	REFLOW
Max. Cycles at Max. Process Temperature	001
Process Temperature max. C	260

**Material Info****Reference - Drawing Numbers**

Electrical Model Document	EE-78164-001-001, EE-87839-001-001
Packaging Specification	PK-78164-001-001
Product Specification	PS-78012-002-001
S-Parameter Model	SP-78164-001-001
Sales Drawing	SD-78164-100-001

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